

FIG. 1A

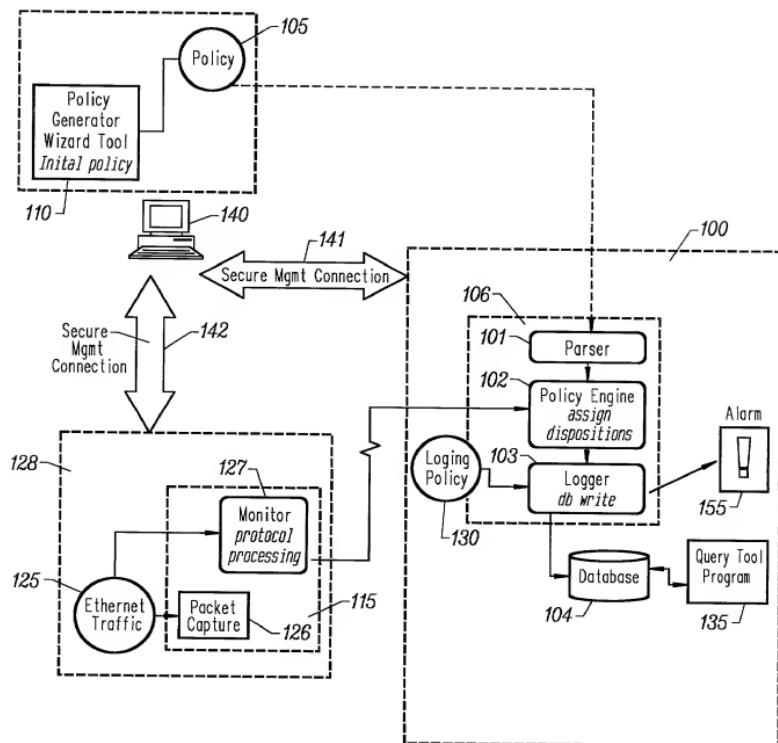


FIG. 1B

09826602-072301

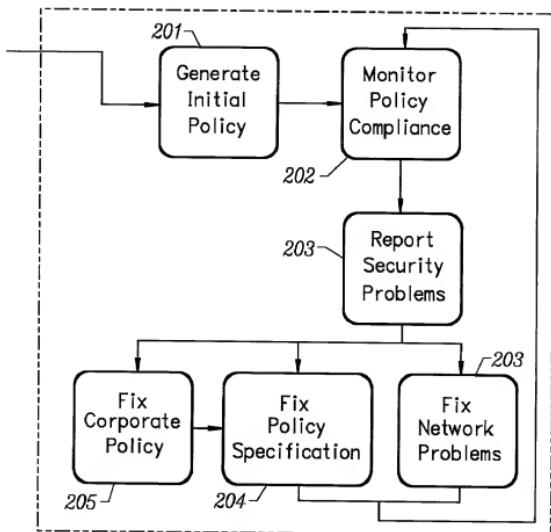


FIG. 2

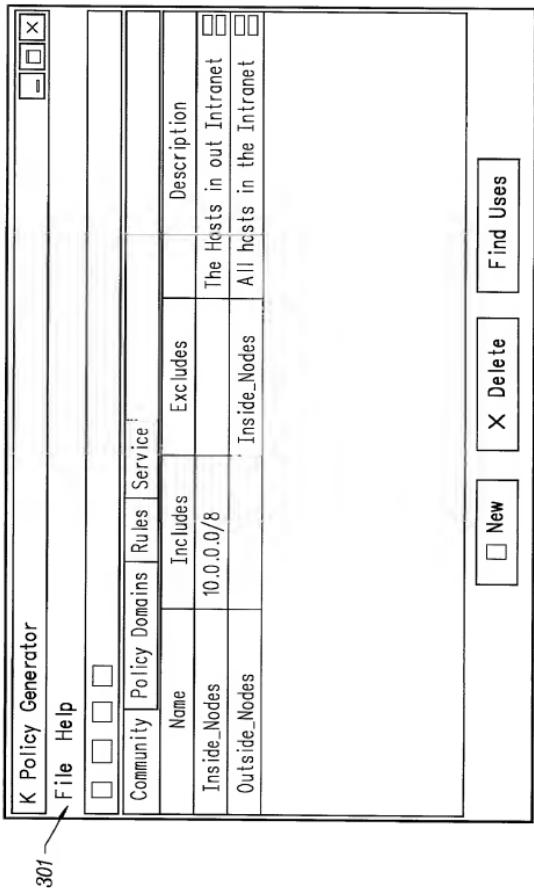


FIG. 3

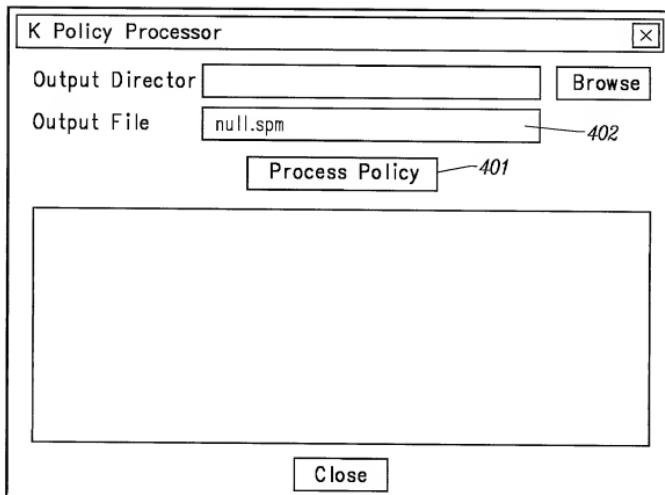


FIG. 4A

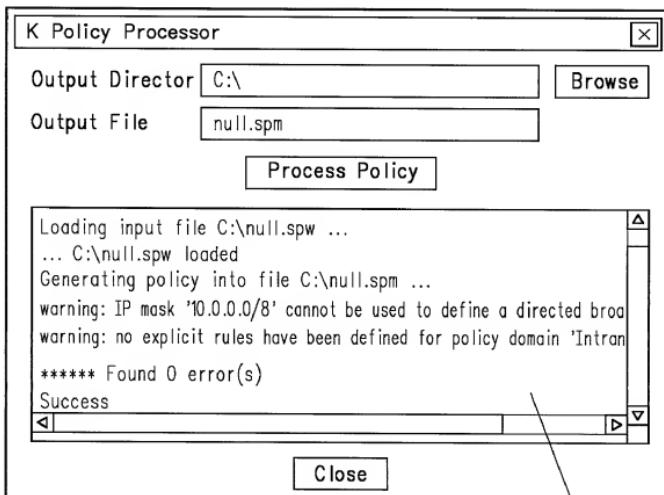


FIG. 4B

403

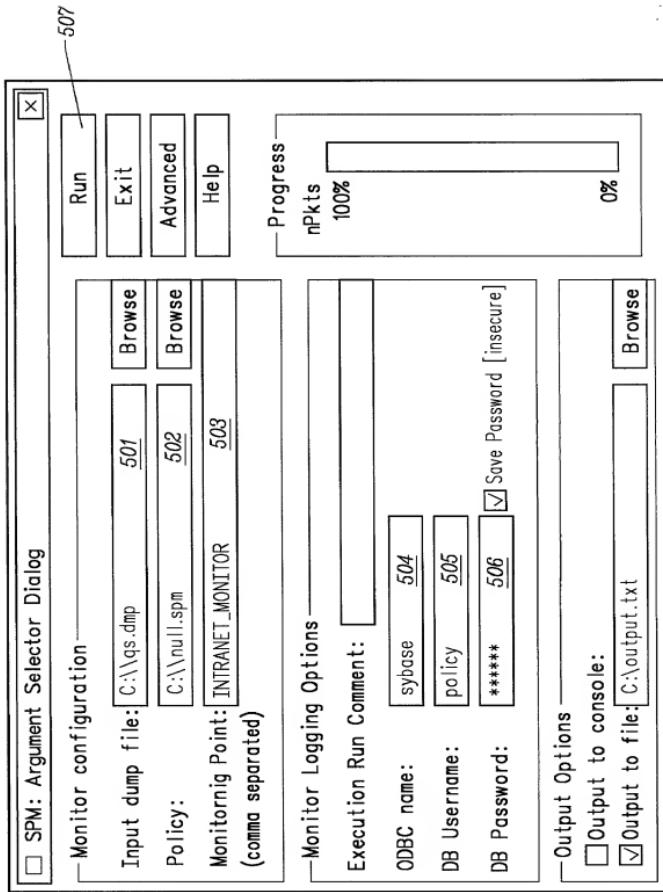


FIG. 5

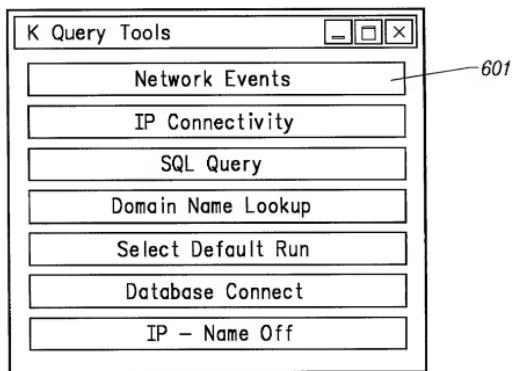


FIG. 6

09826602 - 072301

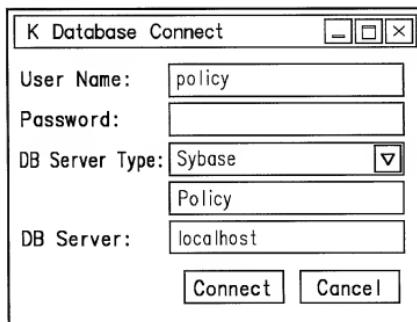


FIG. 7

<input type="button" value="X"/>	<b>K Rule View</b>
Execution Run:	<input type="text" value="1999-10-01 14:30:20.0"/> C:\tmp
Final Rule Name:	<input type="button" value="▼"/> <input type="text" value="&lt;Any Rule&gt;"/>
Disposition Name:	<input type="button" value="▼"/> <input type="text" value="&lt;Any Disposition&gt;"/>
Disposition Codes:	<input type="checkbox"/> Access Denied <input type="checkbox"/> Auth Violation <input type="checkbox"/> Security <input type="checkbox"/> QOS <input type="checkbox"/> Policy Error <input type="checkbox"/> OK
Disposition Severity:	<input type="checkbox"/> Critical <input type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Monitor <input type="checkbox"/> Warning <input type="checkbox"/> Information <input type="checkbox"/> <none>
	<input type="button" value="Query"/>
<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	
ROWS	<input type="button" value="Done"/> <input type="button" value="Edit SQL"/> <input type="button" value="Copy Row"/> <input type="button" value="Copy Deep"/>

FIG. 8

**K Rule View**

Execution Run: 1999-10-01 14:30:20.0 C:\.bmp

Final Rule Name: <Any Rule>

Disposition Name: <Any Disposition>

Disposition Codes:  Access Denied  Auth Violation  Security Attack  Security SOS  Policy Error  OK

Disposition Severity:  Critical  High  Medium  Monitor  Warning  Information  <none>

**Query**

Rule Name	Disposition Name	Initiator IP	Init Name	Target IP	Targ Name	Targ Service
Udp_Deny	Udp_Access_Denied	10.5.63.143	vg-143.security.com	10.5.63.6	dude.security.com	domain
Http_Deny	Http_Access_Denied	10.5.63.143	vg-143.security.com	208.178.27.198		http
Http_Deny	Http_Access_Denied	10.5.63.143	vg-143.security.com	208.178.27.201		http
Http_Deny	Http_Access_Denied	10.5.63.143	vg-143.security.com	208.178.27.198		http
Udp_Deny	Udp_Access_Denied	10.5.63.143	vg-143.security.com	10.5.63.6	dude.security.com	domain
Udp_Deny	Udp_Access_Denied	10.5.63.143	vg-143.security.com	10.5.63.6	dude.security.com	domain
Http_Deny	Http_Access_Denied	10.5.63.143	vg-143.security.com	204.71.200.68	www3.yahoo.com	http
Udp_Deny	Udp_Access_Denied	10.5.63.143	vg-143.security.com	10.5.63.6	dude.security.com	domain
Http_Deny	Http_Access_Denied	10.5.63.143	vg-143.security.com	10.5.63.97	kabole.security.com	http
Tcp_Missed_Connections	Warn_Missed_Tcp_Connect	10.5.63.143	vg-143.security.com	10.5.63.24	fred.security.com	netbios-ssn

**Rows 10** **Done** **Edit SQL** **Copy Row** **Copy Deep**

FIG. 9

K Policy Generator

File Help

Community	Policy Domains	Rules	Service
-----------	----------------	-------	---------

Select Policy Domain Policy Domain:  Intranet

Identify New or Existing Rule in Intranet

Rule Name:  Internal\_Dns

Add Elements to Internal\_Dns

Description:

Initiators:  Intranet

Inside_Nodes	... Firewall	... Outside_Nodes
--------------	--------------	-------------------

Services:  AUTH

BOOTP_CLIENT	BOOTP_SERVER	DNS	FINGER
--------------	--------------	-----	--------

Targets:  Intranet

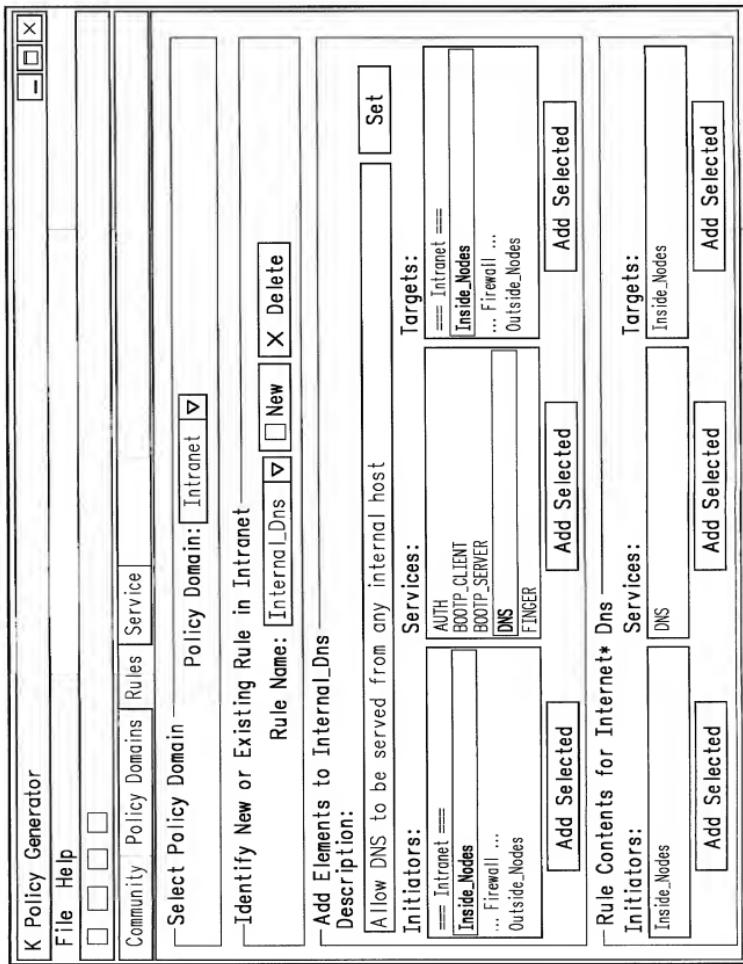
Inside_Nodes	... Firewall	... Outside_Nodes
--------------	--------------	-------------------

Rule Contents for Internet\* Dns

Services:  <Any>

Initiators:  <Any>

Targets:  <Any>



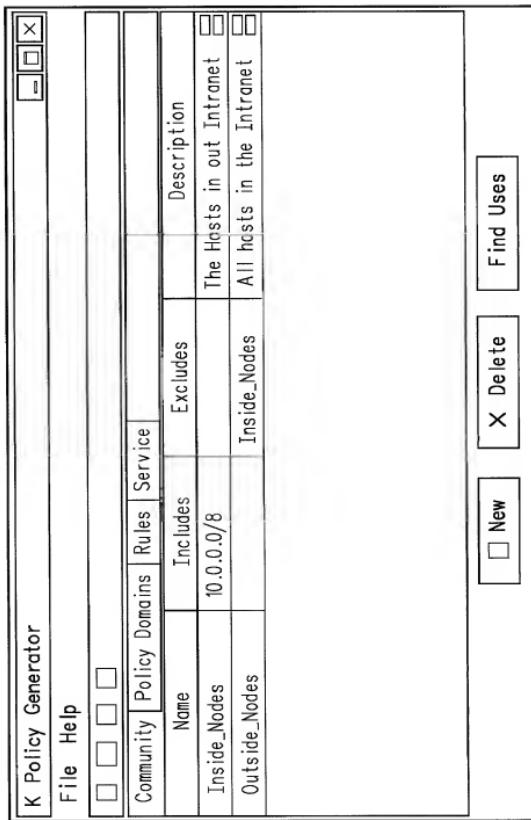


FIG. 10C

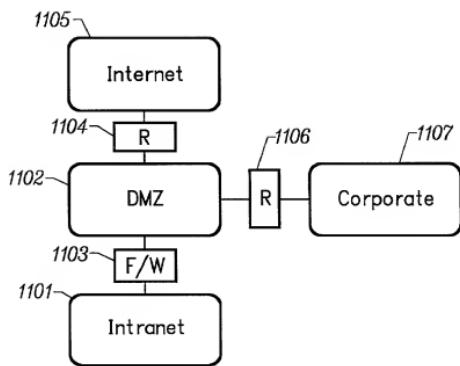


FIG. 11

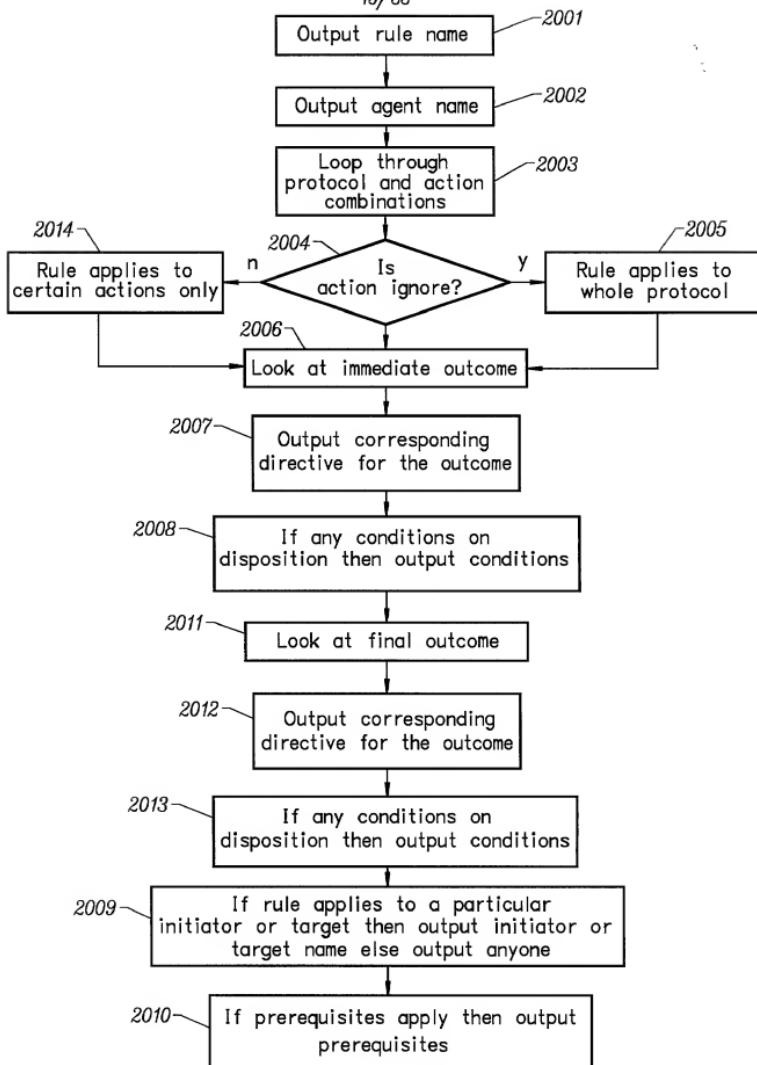


FIG. 12

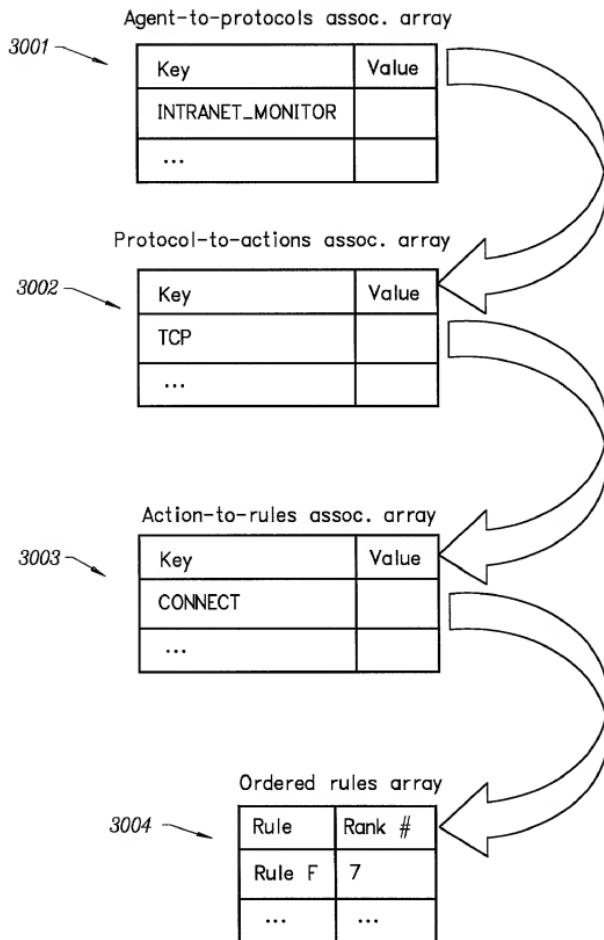


FIG. 13

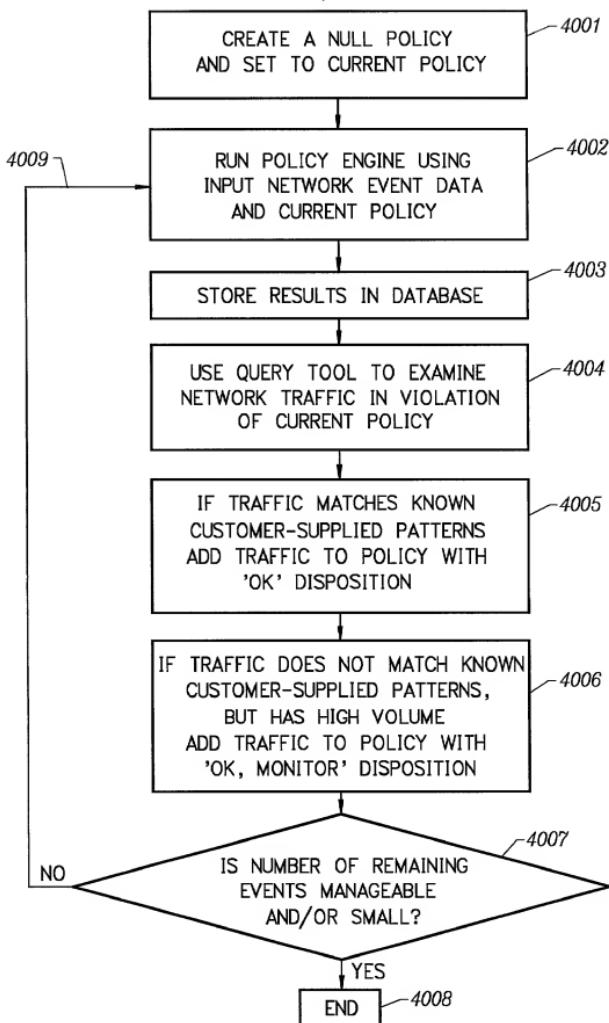


FIG. 14

T05E240 "20992860

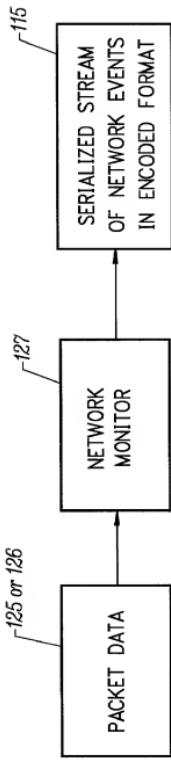


FIG. 15

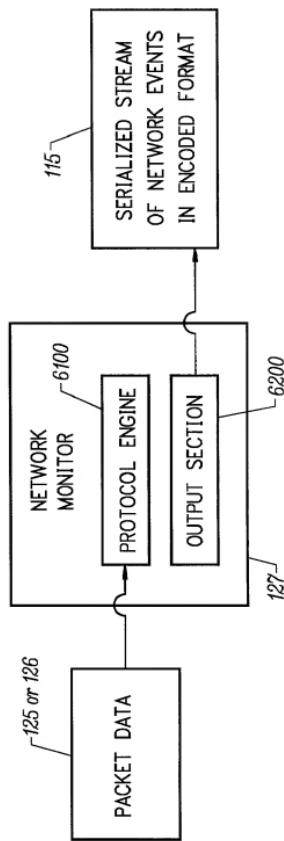
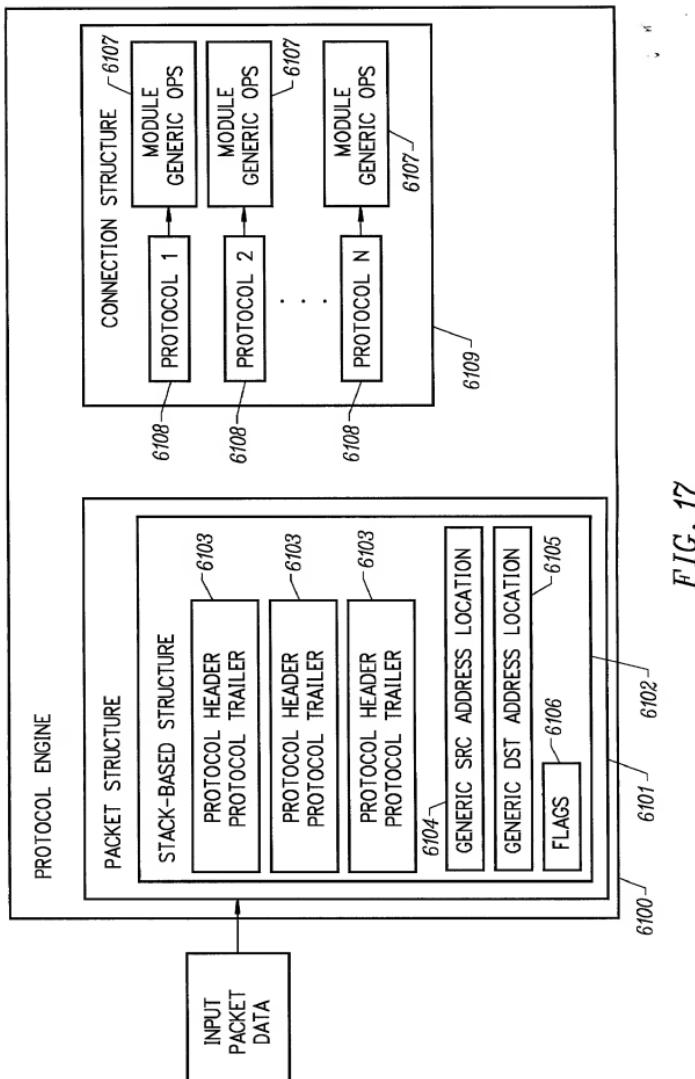


FIG. 16



T0E240 "20992860

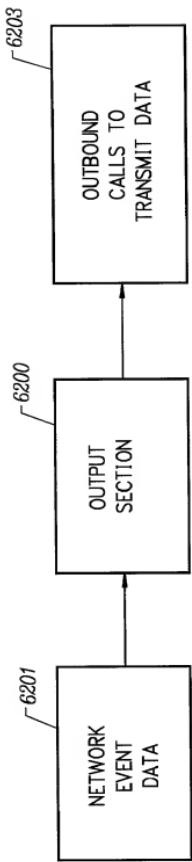


FIG. 18

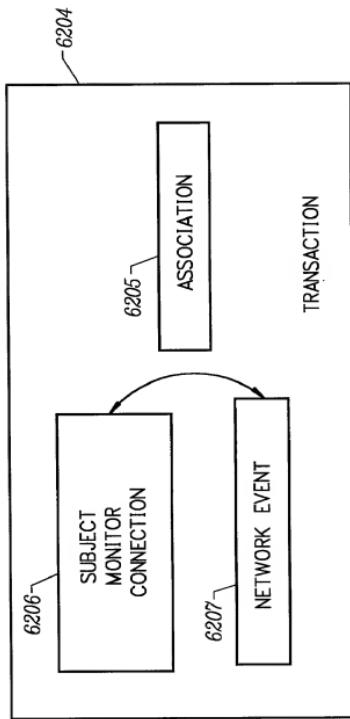
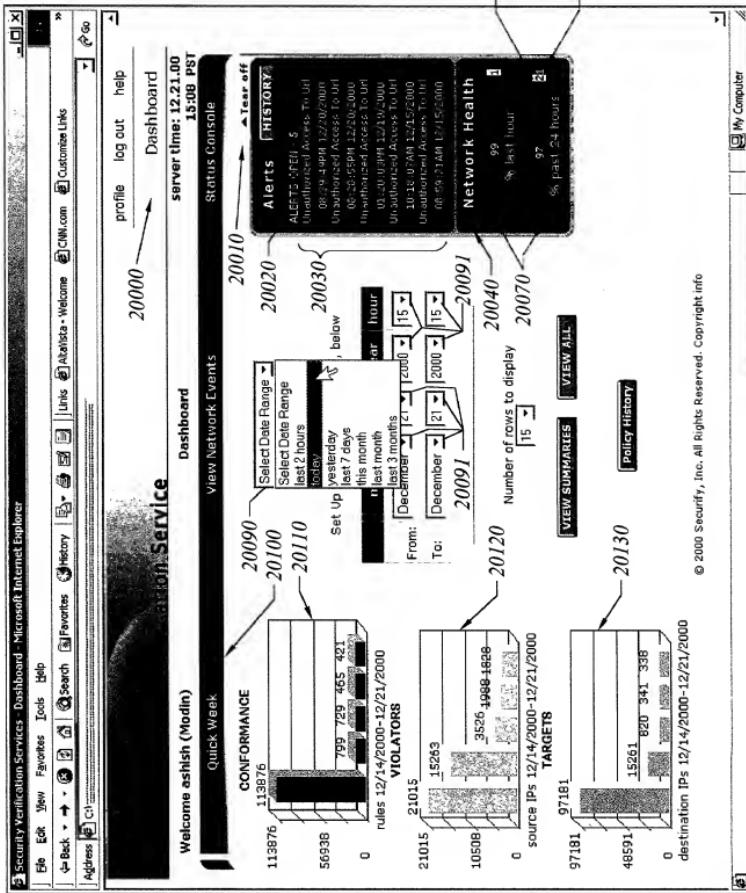


FIG. 19

TOE240" 20392860

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FIG. 20



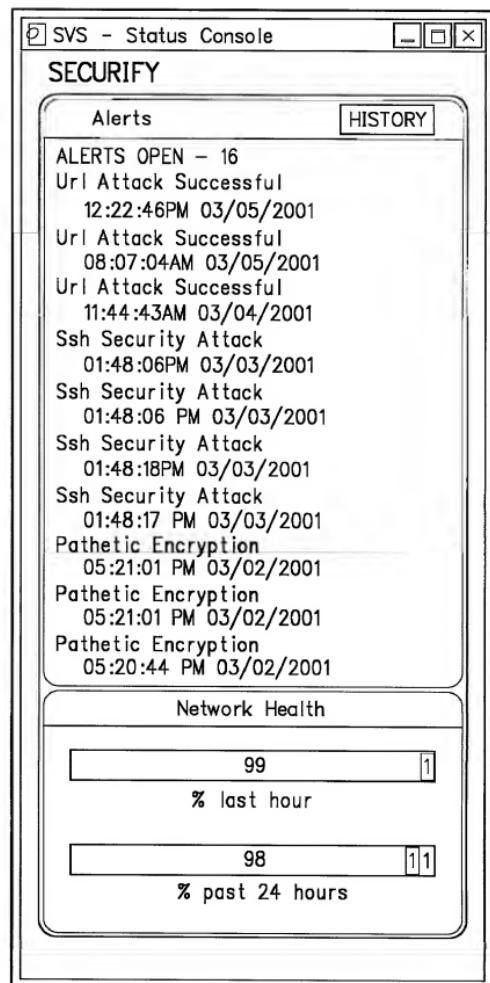


FIG. 21

FIG. 22

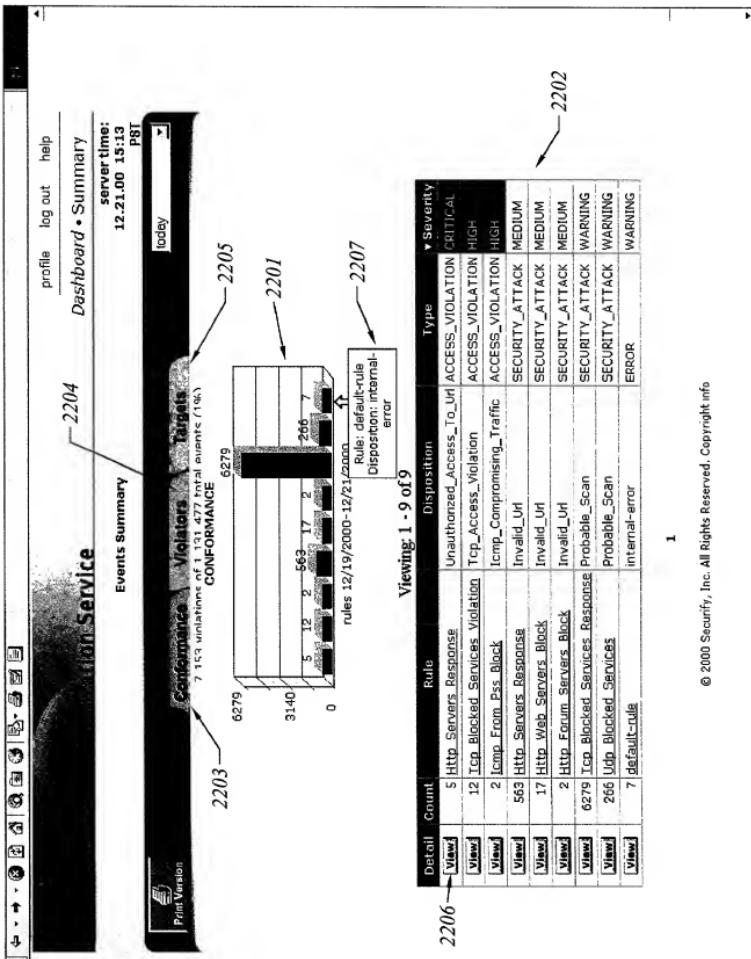


FIG. 23

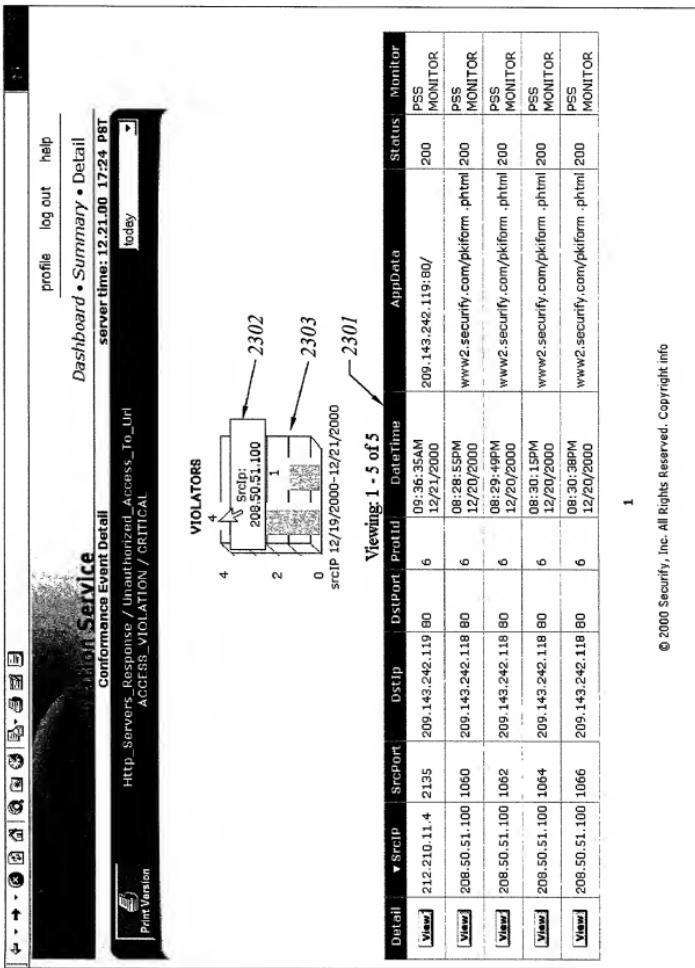


FIG. 24

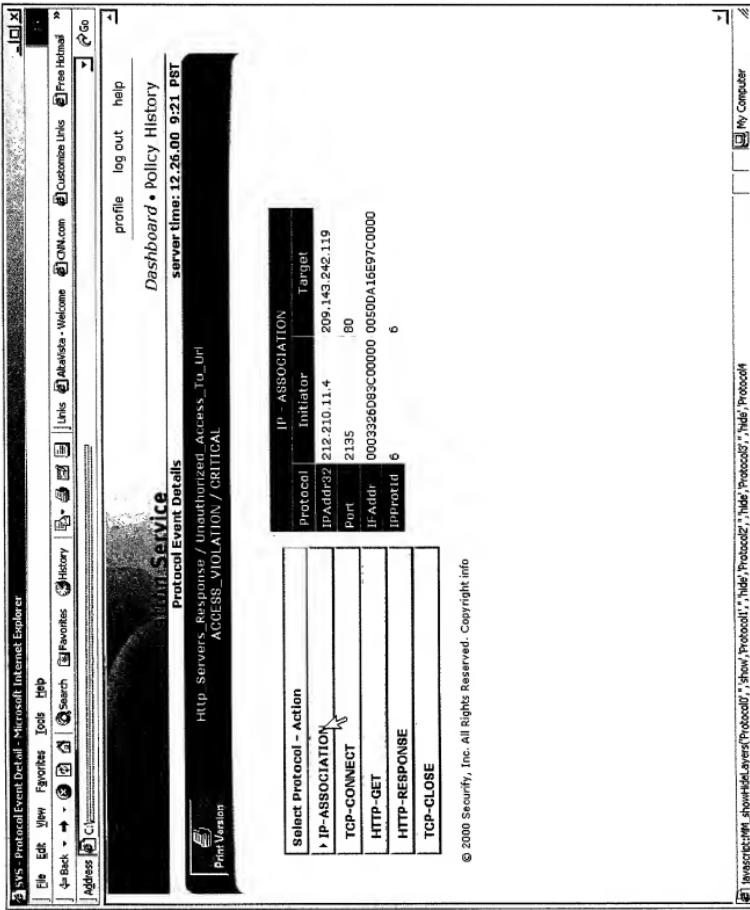


FIG. 25

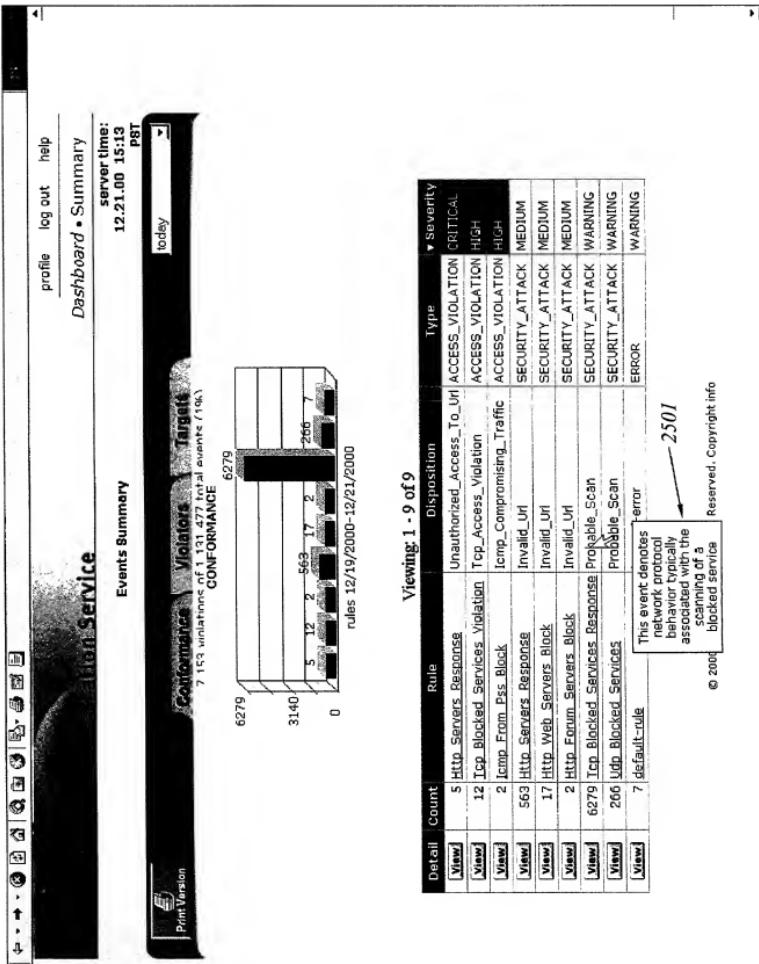


FIG. 26

Events Summary

7,153 violations of 1,131,477 total events (1%)

CONFORMANCE

Violation Targets

6279

6279

3140

5 12 2 563 17 2 266 7

rules 12/19/2000-12/21/2000

Profile log out help

Dashboard • Summary

server time: 12.21.00 15:13 PST

today

Print/Version

Viewing: 1-9 of 9

Detail	Count	Rule	Disposition	Type
Violat	5	Http Servers Response	Unauthorized_Access_To_Url	ACCESS_VIOLATION CRITICAL
Violat	12	Tcp Blocked Services Violation	Tcp_Access_Violation	ACCESS_VIOLATION HIGH
Violat	2	Icmp From Pss_Block	Icmp_Compromising_Traffic	ACCESS_VIOLATION HIGH
Violat	563	Http Servers Response	Invalid_Url	SECURITY_ATTACK MEDIUM
Violat	17	Http Web Servers Block	Invalid_Url	SECURITY_ATTACK MEDIUM
Violat	2	Http Forum Servers Block	Invalid_Url	SECURITY_ATTACK MEDIUM
Violat	6279	Tcp Blocked Services Response	Probable_Scan	SECURITY_ATTACK WARNING
Violat	266	Udp Blocked Services	Probable_Scan	SECURITY_ATTACK WARNING
Violat	7	Http Blocked Services	internal_error	ERROR WARNING

1

2601

The server responds to an attempt to access a blocked service correctly if it resets the connection, incorrectly if it allows data through

TOE240 20992860

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FIG. 27

Dashboard • Summary • Detail  
server time: 12:21:00 17/24 PST

today

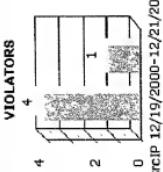
Conformance Event Detail

Http\_Servers\_Responses / Unauthorized\_Access\_To\_Web  
ACCESS\_VIOLATION / CRITICAL

Print Version

profile log out help

VIOLATORS



Viewing: 1 - 5 of 5

Detail	SrcIP	SrcPort	DstIP	DstPort	ProtoID	Datetime	AppData	Status	Monitor
<a href="#">View</a>	212.210.11.4	2135	209.143.242.119	80	6	09:36:35AM 12/21/2000	209.143.242.119:80/	200	PS MONITOR
<a href="#">View</a>	208.50.51.100	1060	209.143.242.118	80	6	08:28:55PM 12/20/2000	www2.security.com/pkifrom .pkhtml	200	PS MONITOR
<a href="#">View</a>	208.50.51.100	1064	209.143.242.118	80	6	08:29:49PM 12/20/2000	www2.security.com/pkifrom .pkhtml	200	PS MONITOR
<a href="#">View</a>	208.50.51.100	1066	209.143.242.118	80	6	08:30:15PM 12/20/2000	www2.security.com/pkifrom .pkhtml	200	PS MONITOR
<a href="#">View</a>	208.50.51.100	1066	209.143.242.118	80	6	08:30:39PM 12/20/2000	www2.security.com/pkifrom .pkhtml	200	PS MONITOR

1

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2701

89826632 \* 892293

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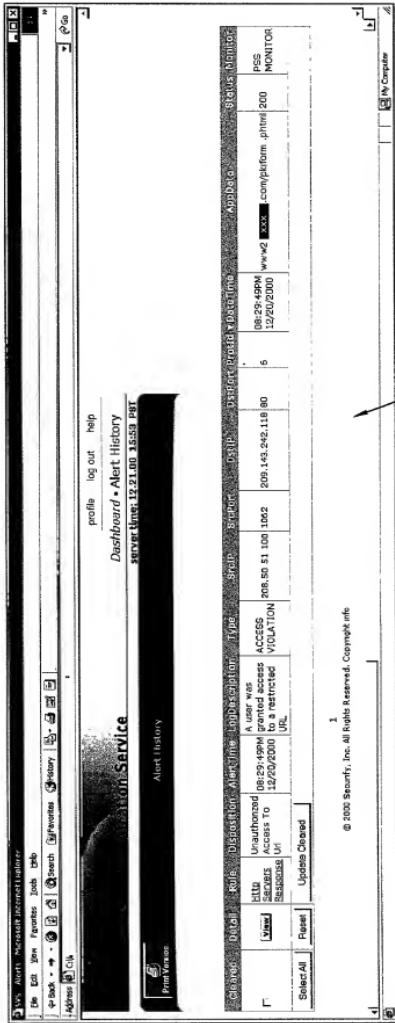


FIG. 28

09825602.072201

SVS - Event Summary - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back → Stop Refresh Search Favorites History Links AltaVista - Welcome CNN.com Customize Links

Address  Go

profile log out help

Dashboard • Summary

Events Summary

server time: 12.21.00 15:13  
PST

today

Print Version

Violators Targets

7 152 violations out of 179 total events (1%)

VIOLATORS

2903 → 6084 → 3042 → 0 → 2901

source IP 12/19/2000-12/21/2000

2903 → 2904 → 2206 → 2902

Viewing: 1 - 15 of 332

Scrlp: 209.143.242.119

Detail	Count	IP/Source Address	DNSName
[View]	6084	62.153.22.52	03E991634.dip.t-dialin.net
[View]	115	202.112.29.141	pinto.synet.edu.cn
[View]	67	24.216.33.11	24-216-33-11.hsacorp.net
[View]	57	217.96.179.79	pa79.keprno.sdi.tpnpt.net
[View]	47	63.242.229.194	194.muba.chog.chog124.dsl.att.net
[View]	32	209.143.242.114	undefined
[View]	26	212.116.129.21	techab.bia-bg.com
[View]	25	200.29.134.141	undefined
[View]	21	209.143.242.118	undefined
[View]	21	209.143.242.119	undefined
[View]	18	211.22.172.122	h122-172.hinet.net
[View]	16	209.73.164.11	av-dev4.sv.av.com
[View]	15	205.142.199.15	fw1.chmcc.org
[View]	15	208.35.215.250	tsfoc.logictier.com
[View]	15	212.57.28.2	undefined

1 2 3 4 5 6 7 8 9 10 20

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file:///C:/ My Computer

FIG. 29

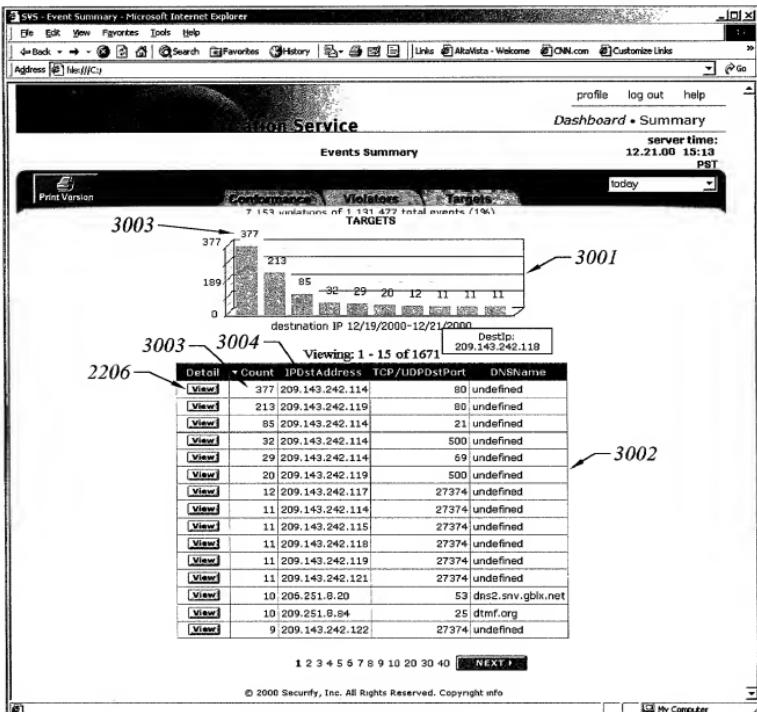


FIG. 30

09826603 - 072301

Advanced Search - Microsoft Internet Explorer  
Address https://

## SECURITY

### Advanced Search

Filter results by One or All of the following:

3101 Protocol  3102

3104 Rule  3103

or

3105 Disposition  3100

or

3106 Source IP   
3106 Target IP   
TargetPort

Monitor(s)

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FIG. 31

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FIG. 32

3201

sys - Event Summary - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back →  Search  Favorites  History  Links  Address - Welcome  CRM.com  Customer Link

Address

profile log out help

Dashboard • Summary

server 3.26.01 10:29 PST

Advanced Search

15 rows  last 7 days

Events Summary

Conformance Violators Targets

973/395 violations of 895/027 total events (98%)

CONFORMANCE

1142

217 278 1 12 6 42 20

rules 3/19/2001-3/26/2001

Viewing 1 - 15 of 108

Detail	o	Count	Rule	Disposition	Type	Severity	Monitor
<a href="#">View</a>	0.025	217	Top Unexpected SslNet SERVICES	Sql Server Blocked	ACCESS VIOLATION	CRITICAL	INTRANET LOCAL
<a href="#">View</a>	0.005	44	ICD Unexpected SslNet Services	Sql Server Blocked	ACCESS VIOLATION	CRITICAL	PARTNER A MONITOR
<a href="#">View</a>	0.001	1	default rule	policy error	ERROR	CRITICAL	INTRANET LOCAL
<a href="#">View</a>	0.131	1142	Http Unexpected Service Response	Access Blocked	ACCESS VIOLATION	HIGH	INTRANET LOCAL
<a href="#">View</a>	0.032	298	Sal Authentication Examination Certificate	Invalid Certificate	AUTHENTICATION VIOLATION	HIGH	INTRANET LOCAL
<a href="#">View</a>	0.001	1	10 Deny	Protocol event limit	SECURITY ATTACK	HIGH	INTRANET LOCAL

Local Intranet